

Leanna Weimer Lesson Plans for week of Oct 16
Plant and Soil Science

DAY	PA Standards	OBJECTIVE	ACTIVITY	EVALUATION
M	<p>201 Explain systems used to classify plants.</p> <p>202 Identify the components and structures of plants.</p> <p>203 Explain the functions of plant systems.</p> <p>204 Identify products and uses of plant species in Pennsylvania.</p> <p>205 Explain the basic process of photosynthesis/respiration and their importance to life.</p> <p>206 Identify and compare the functions of the essential nutrients for plant growth and development.</p> <p>207 Assess the environmental factors that affect the growth and development of a plant.</p> <p>208 Compare and contrast sexual and asexual plant reproduction.</p> <p>209 Apply concepts of Integrated Pest Management (IPM) strategies used to manage pest populations and analyze its effectiveness.</p> <p>210 Examine the impact of pests and diseases as variables in plant production.</p> <p>211 Determine the role of plant pollinators.</p> <p>212 Investigate emerging technologies within practical applications of plant science.</p>	<p>Students will understand the difference in the forms of sugar. Students will be able to distinguish between sugar types and the processes used to make that commodity.</p>	LAB: Sugar	Sugar Lab and Questions
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W	<p>201 Explain systems used to classify plants.</p> <p>202 Identify the components and structures of plants.</p> <p>203 Explain the functions of plant systems.</p> <p>204 Identify products and uses of plant species in Pennsylvania.</p> <p>205 Explain the basic process of photosynthesis/respiration and their importance to life.</p> <p>206 Identify and compare the functions of the essential nutrients for plant growth and development.</p> <p>207 Assess the environmental factors that affect the growth and development of a plant.</p> <p>208 Compare and contrast sexual and asexual plant reproduction.</p> <p>209 Apply concepts of Integrated Pest Management (IPM) strategies used to manage pest populations and analyze its effectiveness.</p> <p>210 Examine the impact of pests and diseases as variables in plant production.</p> <p>211 Determine the role of plant pollinators.</p> <p>212 Investigate emerging technologies within practical applications of plant science.</p>	<p>Students will be introduced to horticulture.</p> <ol style="list-style-type: none"> 1. Define horticulture and its relationship to the agriculture 2. Describe the different types of horticulture in PA and the United States 	<p>Horticulture Notes</p> <p>Research Project on the Diversity of the Industry</p>	Industry Projects
Th				
F	<p>201 Explain systems used to classify plants.</p> <p>202 Identify the components and structures of plants.</p> <p>203 Explain the functions of plant systems.</p> <p>204 Identify products and uses of plant species in Pennsylvania.</p> <p>205 Explain the basic process of photosynthesis/respiration and their importance to life.</p> <p>206 Identify and compare the functions of the essential nutrients for plant growth and development.</p> <p>207 Assess the environmental factors that affect the growth and development of a plant.</p> <p>208 Compare and contrast sexual and asexual plant reproduction.</p> <p>209 Apply concepts of Integrated Pest Management (IPM) strategies used to manage pest populations and analyze its effectiveness.</p> <p>210 Examine the impact of pests and diseases as variables in plant production.</p> <p>211 Determine the role of plant pollinators.</p>	<p>Objective #1 Define biodiversity.</p> <p>Objective #2 Describe why biodiversity is important.</p> <p>Objective #3 Discuss ways to protect biodiversity.</p>	<p>Biodiversity Intro Lab</p> <p>Biodiversity Notes</p> <p>Biodiversity Monoculture vs. Polyculture Debate</p>	<p>Lab Notes</p> <p>Debate</p>

	212 Investigate emerging technologies within practical applications of plant science.			
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Accommodations: Graphic Organizers, photocopied notes, special seating, extended time, groupings, reminders, on-going feedback, highlighted notes

Enrichment: projects that will enhance student learning

Accommodations and enrichment may change based on the needs of the child and the class